

IN THE CLAIMS:

Please add new Claims 32 to 34 as shown below. The claims, as pending in the subject application, read as follows:

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1. (Previously amended) An information processing apparatus which can access a plurality of databases, comprising:

first copying means for copying data selected from a first database to a second database;

determination means for determining if each of attribute items of attribute information appended to the data corresponds to each of attribute items of the second database; and

second copying means for copying information of an attribute item, which is determined by said determination means to correspond to one of the attribute items of the second database, to a corresponding attribute item of the second database, and for copying information of an attribute item that is determined by said determination means not to correspond to any of the attribute items of the second database, to the predetermined attribute item of the second database.

3. (Previously amended) The apparatus according to claim 1, wherein said second copying means copies the information of the attribute item which does not correspond to any of the attribution items of the second database to the predetermined item in a predetermined format which indicates information of a mismatching attribute item.

4. (Previously amended) The apparatus according to claim 3, wherein the predetermined format indicates an attribute item name and contents.

5. (Previously amended) The apparatus according to claim 4, further comprising information recovery means for, when said second copying means detects attribute information stored in the predetermined attribute item in the predetermined format, recovering the attribute information on the basis of the attribute item name and contents indicated by the information.

6. (Previously amended) The apparatus according to claim 1, further comprising:

holding means for holding conversion information indicating a correspondence between attribute items of the first and second databases, and

wherein said determination means determines based on the conversion information if each of the attribute items of the attribute information appended to the data corresponds to each of the attribute items of the second database.

7. (Previously amended) An information processing apparatus for backing up data present in a plurality of databases, comprising:

first copying means for copying data present in one of the plurality of databases to a backup database;

determination means for determining if each of attribute items of attribute information appended to the data corresponds to each of the attribute items of the backup database;

second copying means for copying information of an attribute item, which is determined by said determination means to correspond to one of items of the backup database, to the corresponding attribute item of the backup database, and copying information of an attribute item, which is determined by said determination means not to

correspond to any of items of the backup database, to a predetermined item of the backup database in a predetermined format; and

information recovery means for, when attribute information stored in the predetermined attribute item in the predetermined format is detected upon copying data from the backup database to one of the plurality of databases, recovering the attribute information on the basis of an attribute item name and contents thereof indicated by the information.

8. (Original) An information processing apparatus which can access a plurality of databases, comprising:

first copying means for copying data selected from a first database to a second database;

holding means for holding conversion information indicating a correspondence between attribute items of the first and second databases;

conversion means for converting each of attribute items of attribute information appended to data copied by said first copying means to an attribute item of the second database in accordance with the conversion information; and


second copying means for copying the attribute information converted by said conversion means as attribute information in the second database.

9. (Original) The apparatus according to claim 8, wherein when an attribute item which is not set in the conversion information is found, said second copying means copies the attribute item and attribute information thereof to a predetermined attribute item in the second database.

10. (Original) The apparatus according to claim 8, wherein when the conversion information corresponding to the first and second databases is not held in said holding means, said second copying means copies attribute items which cannot be set to a predetermined attribute item of the second database in a predetermined format.

11. (Original) The apparatus according to claim 8, further comprising creation means for, when the conversion information corresponding to the first and second databases is not held in said holding means, executing processing for creating the conversion information on the basis of a user's input, and

wherein said conversion means converts the attribute information using the conversion information created by said creation means.

 12. (Previously amended) An information processing method which can access a plurality of databases, comprising:

a first copying step, of copying data selected from a first database to a second database;

a determination step, of determining if each of attribute items of attribute information appended to the data corresponds to each of attribute items of the second database; and

a second copying step, of copying information of an attribute item, which is determined in said determination step to correspond to one of the attribute items of the second database, to a corresponding attribute item of the second database, and copying information of an attribute item that is determined in said determination step not to correspond to any of the attribute items of the second database, to the predetermined attribute item of the second database.

14. (Previously amended) The method according to claim 12, wherein the second copying step includes the step of copying the information of the attribute item which does not correspond to any of the attribution items of the second database to the predetermined item in a predetermined format which indicates information of a mismatching attribute item.

15. (Previously amended) The method according to claim 14, wherein the predetermined format indicates an attribute item name and contents.

16. (Original) The method according to claim 15, further comprising the information recovery step of recovering the attribute information on the basis of the attribute item name and contents thereof indicated by attribute information, when attribute information stored in the predetermined attribute item in the predetermined format is detected in the second copying step.

17. (Previously amended) The method according to claim 12, further comprising:

a holding step, of holding conversion information indicating a correspondence between attribute items of the first and second databases, and


wherein the determination step includes the step of determining based on the conversion information if each of the attribute items of the attribute information appended to the data corresponds to each of the attribute items of the second database.

18. (Previously amended) An information processing method for backing up data present in a plurality of databases, comprising:

a first copying step, of copying data present in one of the plurality of databases to a backup database;

a determination step, of determining if each of attribute items of attribute information appended to the data corresponds to each of the attribute items of the backup database;

a second copying step, of copying information of an attribute item, which is determined in the determination step to correspond to one of items of the backup database, to the corresponding attribute item of the backup database, and copying information of an attribute item, which is determined in the determination step not to correspond to any of items of the backup database, to a predetermined item of the backup database in a predetermined format; and

 an information recovery step, of recovering attribute information on the basis of an attribute item name and contents thereof indicated by attribute information, when attribute information stored in the predetermined attribute item in the predetermined format is detected upon copying data from the backup database to one of the plurality of databases.

19. (Original) An information processing method which can access a plurality of databases, comprising:

the first copying step of copying data selected from a first database to a second database;


the holding step of holding conversion information indicating a correspondence between attribute items of the first and second databases;

the conversion step of converting each of attribute items of attribute information appended to data copied in the first copying step to an attribute item of the

second database in accordance with the conversion information; and

the second copying step of copying the attribute information converted in the conversion step as attribute information in the second database.

20. (Original) The method according to claim 19, wherein when an attribute item which is not set in the conversion information is found, the second copying step includes the step of copying the attribute item and attribute information thereof to a predetermined attribute item in the second database.



21. (Original) The method according to claim 19, wherein when the conversion information corresponding to the first and second databases is not held in the holding step, the second copying step includes the step of copying attribute items which cannot be set to a predetermined attribute item of the second database in a predetermined format.

22. (Original) The method according to claim 19, further comprising the creation step of executing processing for creating conversion information on the basis of a user's input, when the conversion information corresponding to the first and second databases is not held in the holding step, and wherein the conversion step includes the step of converting the attribute information using the conversion information created in the creation step.


23. (Previously amended) A database system which can copy data between a plurality of databases, comprising:

first copying means for copying data selected from a first database to a

second database;

determination means for determining if each of attribute items of attribute information appended to the data corresponds to each of attribute items of the second database; and

second copying means for copying information of an attribute item, which is determined by said determination means to correspond to one of the attribute items of the second database, to a corresponding attribute item of the second database, and copying information of an attribute item that is determined by said determination means not to correspond to any of the attribute items of the second database, to the predetermined attribute item of the second database.



24. (Previously amended) A database system having a plurality of databases, comprising:

a backup database for backing up data present in the plurality of databases;

first copying means for copying data present in one of the plurality of databases to said backup database;

determination means for determining if each of attribute items of attribute information appended to the data corresponds to each of the attribute items of said backup database;

second copying means for copying information of an attribute item, which is determined by said determination means to correspond to one of items of said backup database, to the corresponding attribute item of said backup database, and copying information of an attribute item, which is determined by said determination means not to correspond to any of items of said backup database, to a predetermined item of said backup database in a predetermined format; and



information recovery means for, when attribute information stored in the predetermined attribute item in the predetermined format is detected upon copying data from said backup database to one of the plurality of databases, recovering the attribute information on the basis of an attribute item name and contents thereof indicated by the information.

25. (Original) A database system which can copy data between a plurality of databases, comprising:

first copying means for copying data selected from a first database to a second database;

holding means for holding conversion information indicating a correspondence between attribute items of the first and second databases;

conversion means for converting each of attribute items of attribute information appended to data copied by said first copying means to an attribute item of the second database in accordance with the conversion information; and

second copying means for copying the attribute information converted by said conversion means as attribute information in the second database.

26. (Previously amended) A method of controlling a database system which can copy data between a plurality of databases, comprising:

a first copying step, of copying data selected from a first database to a second database;

a determination step, of determining if each of attribute items of attribute information appended to the data corresponds to each of attribute items of the second database; and

a second copying step, of copying information of an attribute item, which is determined in said determination step to correspond to one of the attribute items of the second database, to a corresponding attribute item of the second database, and copying information of an attribute item that is determined in said determination step not to correspond to any of the attribute items of the second database, to the predetermined attribute item of the second database.

27. (Previously amended) A method of controlling a database system having a plurality of databases including a backup database, comprising:

a first copying step, of copying data present in one of the plurality of databases to the backup database;

a determination step, of determining if each of attribute items of attribute information appended to the data corresponds to each of the attribute items of the backup database;

a second copying step, of copying information of an attribute item, which is determined in the determination step to correspond to one of items of the backup database, to the corresponding attribute item of the backup database, and copying information of an attribute item, which is determined in the determination step not to correspond to any of items of the backup database, to a predetermined item of the backup database in a predetermined format; and

a information recovery step, of recovering attribute information on the basis of an attribute item name and contents thereof indicated by attribute information, when attribute information stored in the predetermined attribute item in the predetermined format is detected upon copying data from the backup database to one of the plurality of databases.

28. (Original) A method of controlling a database system which can copy data between a plurality of databases, comprising:

the first copying step of copying data selected from a first database to a second database;

the holding step of holding conversion information indicating a correspondence between attribute items of the first and second databases;

the conversion step of converting each of attribute items of attribute information appended to data copied in the first copying step to an attribute item of the second database in accordance with the conversion information; and

the second copying step of copying the attribute information converted in the conversion step as attribute information in the second database.

29. (Previously amended) A storage medium which stores a control program for a database client which copies data between a plurality of databases, said control program comprising:

code for a first copying step of copying data selected from a first database to a second database;

code for a determination step of determining if each of attribute items of attribute information appended to the data corresponds to each of the attribute items of the second database; and

code for a second copying step of copying information of an attribute item, which is determined in the determination step to correspond to one of the attribute items of the second database, to a corresponding attribute item of the second database, and copying information of an attribute item that is determined in the determination step not to correspond to any of the attribute items of the second database, to the predetermined

attribute item of the second database.

30. (Previously amended) A storage medium which stores a database client control program for a database system having a plurality of databases and a backup database for backing up data present in the plurality of databases, said control program comprising:

code for a first copying step of copying data present in one of the plurality of databases to the backup database;

code for a determination step of determining if each of attribute items of attribute information appended to the data corresponds to each of the attribute items of the backup database;

code for a second copying step of copying information of an attribute item, which is determined in the determination step to correspond to one of items of the backup database, to the corresponding attribute item of the backup database, and copying information of an attribute item that is determined in the determination step not to correspond to any items of the backup database, to a predetermined item of the backup database in a predetermined format; and

code for a information recovery step of recovering attribute information on the basis of an attribute item name and contents thereof indicated by attribute information, when attribute information stored in the predetermined attribute item in the predetermined format is detected upon copying data from the backup database to one of the plurality of databases.

31. (Original) A storage medium which stores a control program for a database client which copies data between a plurality of databases, said program code

comprising:

a code of the first copying step of copying data selected from a first database to a second database;

a code of the holding step of holding conversion information indicating a correspondence between attribute items of the first and second databases;

a code of the conversion step of converting each of attribute items of attribute information appended to data copied in the first copying step to an attribute item of the second database in accordance with the conversion information; and

a code of the second copying step of copying the attribute information converted in the conversion step as attribute information in the second database.

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32. (New) An information processing apparatus comprising:

extraction means for extracting an attribute item set for a document to be copied from a first database to a second database;

determination means for determining if an attribute item corresponding to the attribute item extracted by said extraction means exists in the second database; and

control means for controlling to copy an attribute data of the attribute item that is determined by said determination means not to correspond to any of the attribute items of the second database, to a predetermined attribute item of the second database.

33. (New) An information processing method comprising:

an extraction step of extracting an attribute item set for a document to be copied from a first database to a second database;

a determination step of determining if an attribute item corresponding to the attribute item extracted in the extraction step exists in the second database; and

a control step of controlling to copy an attribute data of the attribute item that is determined in the determination step not to correspond to any of the attribute items of the second database, to a predetermined attribute item of the second database.

34. (New) A storage medium which stores a control program for performing an information processing method, said control program comprising:

a code for an extraction step of extracting an attribute item set for a document to be copied from a first database to a second database;

a code for a determination step of determining if an attribute item corresponding to the attribute item extracted in the extraction step exists in the second database; and

a code for a control step of controlling to copy an attribute data of the attribute item that is determined in the determination step not to correspond to any of the attribute items of the second database, to a predetermined attribute item of the second database.